

ABSTRACT OF THE DISCLOSURE

The invention provides a fiber plate formed by arranging in mutually adjacent manner plural individual fiber plates of a same thickness so as to provide a light guiding plane larger in area than the light guiding plane of the individual one fiber plate, and a radiation image pickup apparatus utilizing such fiber plate, in which:

each of the plural individual fiber plates is composed of a group of optical fibers having mutually parallel axes, and

lateral faces of the plural individual fiber plates are mutually so bonded that the axes of the optical fibers thereof become mutually parallel.